

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0015] on page 6, with the following rewritten paragraph:

[0015] In accordance with this invention, valve 38 is opened and closed by a solenoid assembly 50 that includes an actuator 52 responsive to an electromagnetic field applied by an electromagnetic coil 54. Solenoid assembly 50 includes a bracket 56 for mounting the assembly to housing 12 at an end of bore 34 opposite outlet passage 27. Actuator 52 is axially slideably received in a tubular sleeve extension 58 fixed to bracket 56. Extension 58 is sealed by an end cap 60, thereby sealing actuator 52 within the extension. Actuator 52 is connected to valve 38 by a rod 62 that extends through bracket 56. Rod 62 includes a central axial passage 64 that communicates with a central axial passage 66 through plunger 52 for equalizing fluid pressure to facilitate movement of plunger 52 during opening and closing of valve 38. There is no differential pressure across valve 38, rod 62 and plunger 52 due to the presence of the axial passage in valve 38 and axial passages 64, 66. Although not shown in the depicted embodiment, end cap 60 may include a pressure transducer for monitoring fluid pressure within bore 34 through passages 64 and 66. A coil spring 67, about rod 62 between bracket 56 and actuator 52, biases the actuator against end plug 60 to thereby bias valve 38 in the open position. Actuator 52 is preferably formed of iron or other suitable magnetizeable material, whereas extension 58, end plug 60 and coil 68 are preferably formed of aluminum or other material that is not affected by an applied electromagnetic field. Electromagnetic coil 54 includes terminal 70 protected by shield 72 for connection to an external electrical power source.